

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1. (currently amended) A system for an adaptive resending request control in mobile radio communications, comprising: having

a reception side; and

a transmission side, ~~in which~~ wherein,

said reception side comprises

measuring means for measuring a line state of a line of a radio section, ~~first selecting means for selecting a~~ and providing line state measurement results,

a first data storage portion storing data of control states of coding rates in correspondence with line state measurement values,

a comparator receiving the measurement results and reading the data of the control states from the first data storage portion to select an optimum control state of a coding rate in correspondence with the measurement results on ~~the~~ a basis of the ~~measurement results~~ read data of the control states stored in the first data storage portion, and

means for renewing the control state and transmitting  
[[the]] control data on the control state to said transmission  
side; and

said transmission side comprises  
a second data storage portion storing data of control  
states of coding rates,

second selecting means receiving the control data and  
reading the data of the control states from the second data  
storage portion for selecting the coding rate in correspondence  
with the received control data on the basis of the received  
control data and the read data of the control states stored in  
the second data storage portion, and

means for generating data with the selected coding rate  
and transmitting the generated data to said reception side.

2. (currently amended) A system for an adaptive  
resending request control in mobile radio communications,  
comprising: having

a reception side; and

a transmission side, ~~in which~~ wherein,

said reception side comprises

measuring means for measuring a line state of a line of  
a radio section, ~~first selecting means for selecting a~~ and  
providing line state measurement results,

a first data storage portion storing data of control states of packet resending control periods in correspondence with line state measurement values,

a comparator receiving the measurement results and reading the data of the control states from the first data storage portion to select an optimum control state of a packet resending control period in correspondence with the measurement results on the a basis of the ~~measurement results~~ read data of the control states stored in the first data storage portion, and

means for renewing the control state and transmitting [[the]] control data on the control state to said transmission side; and

said transmission side comprises

a second data storage portion storing data of control states of packet resending control periods,

second selecting means receiving the control data and reading the data of the control states from the second data storage portion for selecting the packet resending control period in correspondence with the received control data on the basis of the received control data and the read data of the control states stored in the second data storage portion, and

control means for controlling a packet resending control period in response to the selected packet resending control period.

3. (currently amended) A system for an adaptive resending request control in mobile radio communications ~~having~~ comprising:

a reception side; and

a transmission side, ~~in which~~ wherein,

said reception side comprises

measuring means for measuring a line state of a line of a radio section, ~~first selecting means for selecting a~~ and providing line state measurement results,

a first data storage portion storing data of control states, the control states corresponding to coding rates and packet resending control periods in correspondence with line state measurement values,

a comparator receiving the measurement results and reading the data of the control states from the first data storage portion to select an optimum control state of a coding rate and packet resending control period in correspondence with the measurement results on the a basis of the ~~measurement results~~ read data of the control states stored in the first data storage portion, and

means for renewing the control state and transmitting [[the]] control data on the control state to said transmission side; and

said transmission side comprises

a second data storage portion storing data of control states, the control states corresponding to coding rates and packet sending control periods,

second selecting means receiving the control data and reading the data of the control states from the second data storage portion for selecting the coding rate and packet resending control period in correspondence with the received control data on the basis of the received control data and the read data of the control states stored in the second data storage portion,

means for generating data with the selected coding rate and transmitting the generated data to said reception side, and

control means for controlling a packet resending control period in response to the selected packet resending control period.

4. (currently amended) The system as claimed in claim 1, wherein said measuring means measures the number of packet reception and measures a line state by ~~the~~ a line state-measuring method which is used suitable for the number of packet reception.

5. (original) The system as claimed in claim 4, wherein said line state-measuring method is an SIR measuring method or a packet arrival rate measuring method.

6. (currently amended) The system as claimed in claim 2, wherein said measuring means measures the number of packet reception and measures a line state by ~~the~~ a line state-measuring method which is used suitable for the number of packet reception.

7. (original) The system as claimed in claim 6, wherein said line state-measuring method is an SIR measuring method or a packet arrival rate measuring method.

8. (currently amended) The system as claimed in claim 3, wherein said measuring means measures the number of packet reception and measures a line state by ~~the~~ a line state-measuring method which is used suitable for the number of packet reception.

9. (original) The system as claimed in claim 8, wherein said line state-measuring method is an SIR measuring method or a packet arrival rate measuring method.

10. (new) The system of claim 1, wherein,  
the measuring means measures the line state by using one or both of SIR measurement and packet arrival rate measurement, the packet arrival rate defined as a ratio of a number of error-correctable packets arriving at the data reception side to a number of packets transmitted for a fixed time from the data transmission side,

the control states stored in the first data storage portion comprises plural SIR ranges, each SIR range stored with a corresponding coding rate and a corresponding control state,

the control states stored in the second data storage portion comprises plural coding rates, each coding rate stored with a corresponding control state.

11. (new) The system of claim 2, wherein,

the measuring means measures the line state by using one or both of SIR measurement and packet arrival rate measurement, the packet arrival rate defined as a ratio of a number of error-correctable packets arriving at the data reception side to a number of packets transmitted for a fixed time from the data transmission side,

the control states stored in the first data storage portion comprises plural SIR ranges, each SIR range stored with a corresponding packet arrival rate, a packet resending control period, and a corresponding control state,

the control states stored in the second data storage portion comprises plural packet resending periods, each packet resending period stored with a corresponding control state.

12. (new) The system of claim 3, wherein,

the measuring means measures the line state by using one or both of SIR measurement and packet arrival rate

measurement, the packet arrival rate defined as a ratio of a number of error-correctable packets arriving at the data reception side to a number of packets transmitted for a fixed time from the data transmission side,

the control states stored in the first data storage portion comprises plural SIR ranges, each SIR range stored with a corresponding coding rate and a corresponding control state,

the control states stored in the second data storage portion comprises plural coding rates, each coding rate stored with a corresponding control state.

13. (new) The system of claim 12, wherein,

the control states stored in the first data storage portion further comprises plural SIR ranges, each SIR range stored with a corresponding packet arrival rate, a packet resending control period, and a corresponding control state,

the control states stored in the second data storage portion further comprises plural packet resending periods, each packet resending period stored with a corresponding control state.

14. (new) The system of claim 1, wherein,

the measuring means measures the line state by SIR measurement,



the control states stored in the first data storage portion comprises plural SIR ranges, each SIR range stored with a corresponding coding rate and a corresponding control state,

the control states stored in the second data storage portion comprises plural coding rates, each coding rate stored with a corresponding control state.

15. (new) The system of claim 2, wherein,

the measuring means measures the line state by SIR measurement,

the control states stored in the first data storage portion comprises plural SIR ranges, each SIR range stored with a corresponding packet arrival rate, a packet resending control period, and a corresponding control state,

the control states stored in the second data storage portion comprises plural packet resending periods, each packet resending period stored with a corresponding control state.